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CHELMSFORD
RURAL DISTRICT COUNCIL

Annual Reports

OF

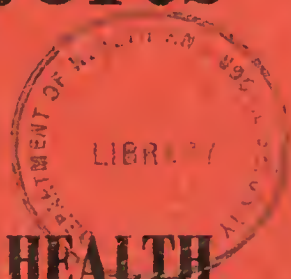
MEDICAL OFFICER of HEALTH

AND

CHIEF PUBLIC HEALTH INSPECTOR

FOR

1968



CHELMSFORD
RURAL DISTRICT COUNCIL

Annual Reports

OF

MEDICAL OFFICER of HEALTH

AND

CHIEF PUBLIC HEALTH INSPECTOR

FOR

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STAFF

Clerk of the Rural District Council: C. A. Bohannon.
Deputy Clerk of the Rural District Council: F. R. Jones,
Solicitor.

PUBLIC HEALTH DEPARTMENT

Medical Officer of Health: B. V. Hassan, M.B., B.Ch.,
B.A.O., D.P.H. (also Medical Officer of Health to Borough
of Maldon and Maldon Port Health Authority, Urban District
of Burnham-on-Crouch, Rural District of Maldon, and
Assistant County Medical Officer, Essex County Council).

Clerk to Medical Officer of Health:
Mrs. J. Rees

CHIEF HEALTH INSPECTOR'S DEPARTMENT

Chief Health Inspector and Director of Public Cleansing:
T. H. Bartrop, F.R.S.H., F.A.P.H.I.

Deputy Chief Health Inspector:
L. G. Smart, F.R.S.H., M.A.P.H.I., A.M.I.P.H.E.

Health Inspectors:
R. F. S. Musgrave, M.A.P.H.I. (Senior Assistant)
F. B. Brewster
G. D. Clare, M.A.P.H.I.
M. F. Lee, M.A.P.H.I.
R. A. Gates, M.A.P.H.I.

Meat Inspectors:
A. Philip
I. Lovie

Public Cleansing Inspector:
E. J. Moore

Clerical Staff
R. H. Hawkes
Mrs. A. B. Fleming
Miss C. Upshall
W. Kentish (from May, 1968)

PUBLIC HEALTH COMMITTEE

The Public Health Committee consists of the Chairman and Vice Chairman of the Council and sixteen other members.

Chairman of Public Health Committee:

Mrs. J. C. Norton

Vice-Chairman of Public Health Committee:

Mr. D. Ashford

Members of Public Health Committee:

Mr. D. Chennels

Mr. H. E. Copsey

Mr. C. E. Cottey (Vice-Chairman of the Council)

Mr. W. J. Exley

Mr. A. A. E. Hammond

The Rev. E. C. Lendon

Mr. W. H. Orr (Chairman of the Council)

Miss C. E. Pelly

Mr. H. S. H. Preston

Mr. G. T. H. Richards

Mr. W. K. Seabrook

Mr. F. B. Speakman

Dr. P. T. Spencer - Phillips

Mr. A. Stock

Mrs. J. Wood

To the Chairman & Members of the Chelmsford Rural Council

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting the annual report of the district for the year 1968 compiled in accordance with the requirements of the Public Health Officers Regulations, 1959, and Circular 1/69 of the Department of Health and Social Security.

As holder of the appointment of Medical Officer of Health for less than one month of the year under review I find it difficult to comment in any depth.

I have therefore decided to let the statistics mainly speak for themselves, but in what I hope is a more easily understandable format.

I can report that the general health of the district is satisfactory and that no serious outbreak of communicable disease occurred.

The adjusted birth rate (which is the crude rate modified to allow direct comparison with other areas and with the country as a whole) is slightly below the figure for 1967 but is still well above the national rate. Illegitimate live births were actually and proportionately reduced in 1968.

The adjusted death rate, at 9.5 per thousand, is below the rate for England and Wales, and the infant mortality rate is only half of the national figure. Maternal mortality was once again nil.

Study of the table of causes of death reveals that diseases of the heart and circulation accounted for almost exactly half of the total number of deaths (49.8%). Malignant disease (cancers) caused a further 19%, and just under one sixth of these were cancers of the lung and bronchus.

Finally I would like to thank the Chief Public Health Inspector and all the staff of the Public Health Department for their excellent work during the difficult transition period between my predecessor leaving and my assumption of duty. My thanks are also due to the Engineer & Surveyor for the portions of the report dealing with the water supply and sewerage.

I am, Mr. Chairman, Ladies & Gentlemen

Yours faithfully,

B. V. HASSAN M.B., B.Ch., B.A.O., D.P.H.
Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

(For comparison, figures in brackets refer to 1967)

General Data

Area (in acres)	...	...	...	86,506	(86,506)
No. of Houses	...	...	...	21,940	(20,852)
No. of Houses per acre (average)	...	...	...	0.22	(0.24)
No. of persons per house (average)	...	...	...	2.86	(2.91)
Rateable value	...	...	...	£2,135,757	(£2,011,156)
Product of a penny rate	...	...	...	£8,505	(£7,866)

Population

Resident Population (Reg. Gen's mid-year estimate)	...	...	62,920	(60,930)
Increase over previous year	...	...	1,990	(2,630)
Percentage increase	...	...	3.2	(4.3)
Natural increase (excess of births over deaths)	...	...	518	(619)
Increase due to immigration	...	...	1,472	(2,011)

BIRTHS

(a)	<u>Live births</u>	<u>M</u>	<u>F</u>
	Legitimate	525 (598)	605 (566)
	Illegitimate	<u>23 (30)</u>	<u>26 (28)</u>
	Total	548 (628)	631 (594)
Crude birth rate per 1,000 population	...	...	18.7 (20.1)
Adjusted birth rate	...	...	18.3 (19.7)
Birth rate—England and Wales.. ..	...	...	16.9 (17.2)
Ratio of adjusted birth rate to national rate	...	...	1.08 (1.15)
Illegitimate live births — % of total live births	...	...	4.2 (4.7)

(b) Still births

Legitimate	5 (5)	10 (10)
Illegitimate	<u>— (—)</u>	<u>1 (—)</u>
Total	5 (5)	11 (10)
Still birth rate per 1,000 total births	... ..	13 (12)
“ “ “ “ “ England and Wales	... ..	14 (14.8)

(c) Total births (Live and Still)

Legitimate	530 (603)	615 (576)
Illegitimate	<u>23 (30)</u>	<u>27 (28)</u>
Total	553 (633)	642 (604)

DEATHS

(a) <u>All Ages</u>		<u>M</u>	<u>F</u>
		314 (275)	363 (328)
		Total 677 (603)	
Crude death rate per 1,000 population ...		...	10.8 (9.9)
Adjusted death rate per 1,000 population ...		...	9.5 (8.6)
England and Wales per 1,000 population ...		...	11.9 (11.2)
Ratio of adjusted death rate to National Rate ...		...	0.80 (0.77)
(b) <u>Deaths of Infants</u>			
(1) <u>Under one year of age</u> (Infant deaths)			
Legitimate ...		6 (9)	5 (11)
Illegitimate ...		— (—)	— (1)
Total		6 (9)	5 (12)
Infant mortality rate per 1,000 live births ...		...	9 (17.2)
" " " " " England and Wales		...	18 (18.3)
(2) <u>Under four weeks of age</u> (Neonatal deaths)			
Legitimate ...		5 (6)	4 (4)
Illegitimate ...		— (—)	— (1)
Total		5 (6)	4 (5)
Neonatal mortality rate per 1,000 live births ...		...	7.6 (10)
" " " " " England and Wales		...	12.3 (12.5)
(3) <u>Under one week of age</u> (Early neonatal deaths)			
Legitimate ...		5 (5)	3 (4)
Illegitimate ...		— (—)	— (1)
Total		5 (5)	3 (5)
Early Neonatal mortality rate per 1,000 live births ...		...	6.8 (8.2)
" " " " " England and Wales		...	10.5 (10.8)
(4) <u>Perinatal mortality</u> (Stillbirths and deaths under one week of age combined)			
Perinatal mortality rate per 1,000			
live and stillbirths ...		...	20 (20.2)
" " " " " England and Wales		...	25 (25.4)
(c) <u>Maternal mortality</u> (deaths of women ascribed to pregnancy or childbirth, including abortion)			
Maternal mortality rate per 1,000			
live and stillbirths ...		...	— (—)
" " " " " England and Wales		...	0.24 (0.20)

<u>CAUSES OF DEATH</u>			<u>Male</u>	<u>Female</u>	<u>Total</u>
B.5	Tuberculosis of Respiratory System	...	1 (1)	— (—)	1 (1)
B.18	Other Infective and Parasitic Diseases	...	— (—)	1 (—)	1 (—)
B.19(1)	Malignant Neoplasm — Stomach	...	11 (9)	10 (4)	21 (13)
B.19(2)	Malignant Neoplasm — Lung, Bronchus..	...	17 (22)	2 (5)	19 (27)
B.19(3)	Malignant Neoplasm — Breast	...	— (—)	12 (11)	12 (11)
B.19(4)	Malignant Neoplasm — Uterus	...	— (—)	5 (4)	5 (4)
B.19(5)	Leukaemia	...	— (3)	2 (1)	2 (4)
B.19(6)	Other Malignant Neoplasms, etc...	...	34 (32)	30 (33)	64 (65)
B.20	Benign and Unspecified Neoplasms	...	— (—)	5 (—)	5 (—)
B.21	Diabetes Mellitus	...	2 (—)	3 (3)	5 (3)
B.46(1)	Other Endocrine etc. Diseases	...	2 (—)	3 (—)	5 (—)
B.23	Anaemias	...	— (—)	1 (—)	1 (—)
B.46(3)	Mental Disorders	...	— (—)	3 (—)	3 (—)
B.46(4)	Other Diseases of Nervous System etc.	...	5 (—)	5 (—)	10 (—)
B.26	Chronic Rheumatic Heart Disease	...	2 (—)	3 (—)	5 (—)
B.27	Hypertensive Disease	...	4 (2)	9 (—)	13 (2)
B.28	Ischaemic Heart Disease	...	91 (56)	76 (51)	167 (107)
B.29	Other Forms of Heart Disease	...	9 (17)	26 (37)	35 (54)
B.30	Cerebrovascular Disease	...	29 (27)	58 (43)	87 (70)
B.46(5)	Other Diseases of Circulatory System	...	13 (13)	18 (20)	31 (33)
B.31	Influenza	...	1 (—)	3 (—)	4 (—)
B.32	Pneumonia	...	34 (34)	46 (46)	80 (80)
B.33(1)	Bronchitis and Emphysema	...	17 (11)	4 (6)	21 (17)
B.33(2)	Asthma	...	2 (—)	— (—)	2 (—)
B.46(6)	Other Diseases of Respiratory System	...	3 (1)	5 (3)	8 (4)
B.34	Peptic Ulcer	...	1 (2)	2 (1)	3 (3)
B.35	Appendicitis	...	2 (—)	— (—)	2 (—)
B.36	Intestinal Obstruction and Hernia	...	1 (—)	4 (—)	5 (—)
B.37	Cirrhosis of Liver	...	— (—)	2 (—)	2 (—)
B.46(7)	Other Diseases of Digestive System	...	2 (—)	3 (—)	5 (—)
B.38	Nephritis and Nephrosis	...	— (—)	2 (—)	2 (—)
B.39	Hyperplasia of Prostate	...	5 (5)	— (—)	5 (5)
B.46(8)	Other Diseases of Genito-Urinary System	...	2 (—)	3 (—)	5 (—)
B.46(9)	Diseases of Skin, Subcutaneous Tissue	...	1 (—)	— (—)	1 (—)
B.46(10)	Diseases of Musculo-Skeletal System	...	3 (—)	3 (—)	6 (—)
B.42	Congenital Anomalies	...	2 (3)	4 (1)	6 (4)
B.43	Birth Injury, Difficult Labour etc.	...	3 (—)	1 (—)	4 (—)
B.44	Other Causes of Perinatal Mortality	...	1 (—)	— (—)	1 (—)
B.45	Symptoms and Ill-Defined Conditions	...	1 (22)	3 (34)	4 (65)
B.E.47	Motor Vehicle Accidents	...	5 (7)	2 (3)	7 (10)
B.E.48	All Other Accidents	...	7 (4)	4 (8)	11 (12)
B.E.49	Suicide and Self-Inflicted Injuries	...	1 (3)	— (3)	1 (6)

Total all Causes ... 314(275) 363(328) 677(603)

COMMUNICABLE DISEASES

	NOTIFICATIONS ACCORDING TO AGE GROUPS							Incidence rate per 10,000 population.	
	Under 1	1 - 4	5 - 9	10 - 14	15 - 24	25 and over	Total		England and Wales
Measles	9	151	85	—	4	2	251	28.6	48.6
Pneumonia	—	—	—	3	2	3	8	0.9	N.A.
Scarlet Fever	1	7	11	2	1	—	22	2.5	3.1
Whooping Cough	3	17	9	—	1	2	32	3.7	3.6
Infective Hepatitis	—	—	—	—	—	1	1	0.1	4.8 *
Puerperal Pyrexia	—	—	—	—	1	—	1	0.1	N.A.
Poliomyelitis	—	—	—	—	—	—	—	—	0.005
Food Poisoning	—	—	—	—	—	3	3	0.3	1.2
Erysipelas	—	—	—	—	—	2	2	0.21	N.A.
Tuberculosis	—	—	—	1	1	5	7	0.8	2.0

* Calculated on half year figures.

N.A. — Not available.

SOUTH ESSEX WATERWORKS COMPANY

Analyses of purified water at Langham, Layer and Hanningfield, 1968

(PARTS PER MILLION)

		Langham Works	Layer-de-la-Haye Works	Hanningfield Works
		(Average of Weekly Analyses)	(Average of Weekly Analyses)	(Average of Monthly Analyses)
Total Dissolved Solids	...	532	443	397
pH value	... ..	7.8	7.6	8.9
Residual Chlorine, Cl.	...	0.42	0.40	0.48
Chlorides, Cl.	... ..	52	55	63
Nitrate Nitrogen	... ..	5.3	1.2	2.1
Nitrite Nitrogen	... ..	0.006	0.007	0.014
Hardness, non-carbonate	...	146	142	102
" carbonate	...	247	150	36
" total	... ..	393	292	138
Free Ammonia (NH ₃)	...	0.15	0.18	0.19
Albuminoid Nitrogen	...	0.12	0.18	0.21
Oxygen absorbed				
(4 hours/27° C)	...	1.28	1.34	1.17
Iron (Fe)	... ..	0.01	0.01	0.02

BACTERIOLOGICAL EXAMINATIONS

No. of Tests during year	...	314	314	12
% of samples which were free from Bact. Coli (Type 1) in 100 ml.	... ..	100.0	100.0	100.0
% of samples which were free from Coliform bacteria in 100 ml.	... ..	100.0	99.7	100.0
Maximum count of coliform bacteria per 100 ml.	...	—	1	—

NOTE: 1. Hanningfield data refer only to analyses made by
South Essex Waterworks Company.

2. Figures for iron content at Langham and Layer
refer only to monthly tests.

Copy of a Recent Analysis of Water from the Southend Waterworks Company's Mains

(CHEMICAL RESULTS IN PARTS PER MILLION)

Appearance	...	...	...	Clear and bright
Turbidity (A.P.H.A. units)	...	...	...	Nil
Colour (Hazen)	...	...	...	5
Odour	...	...	...	Nil
Reaction pH	...	...	...	8.8
Free Carbon Dioxide	...	...	...	Absent
Electric Conductivity	...	...	...	550
Dissolved Solids dried at 180° C.	...	...	...	400
Chlorine present as Chloride	...	...	...	60
Alkalinity as Calcium Carbonate	...	...	...	35
Hardness : Total	...	...	...	140
Carbonate	...	...	...	35
Non-Carbonate	...	...	...	105
Nitrate Nitrogen	...	...	...	1.0
Nitrite Nitrogen	...	...	...	Approx. 0.01
Ammoniacal Nitrogen*	...	...	...	0.03
Albuminoid Nitrogen*	...	...	...	0.17
Oxygen absorbed	...	...	...	1.5
Residual Chlorine	...	...	...	0.06
Metals: Iron, Zinc, Copper, Lead	...	...	...	Absent

* To convert to Ammonia multiply by 1.21

BACTERIOLOGICAL RESULTS

Sampling bottles are treated to remove residual chlorine if present.

Number of colonies developing on Agar per ml. in:—

1 day at 37° C.	=	0
2 days at 37° C.	=	0
3 days at 20 — 22° C.	=	0

	Present in	Absent from	Most Probable Number
Presumptive Coliform reaction	— ml	100 ml	0 per 100 ml
Bact. coli. (Type 1) . . .	— ml	100 ml	0 per 100 ml
Cl. welchii reaction . . .	— ml	100 ml	

This sample is clear and bright in appearance, faintly alkaline in reaction and free from metals. The hardness of the water is very moderate and it contains no excess of mineral or saline constituents in solution. It is of satisfactory organic quality and conforms to the highest standard of bacterial purity.

These results indicate a pure and wholesome water suitable for public supply purposes.

The following information on water supply and sewerage has been kindly provided by the Engineer and Surveyor.

WATER SUPPLY

The following is a summary of the water supplies from the Council's mains for the year ended 31st March, 1969.

Total amount of water supplied	...	927,668,000	gallons
Total length of water mains in use	...	323.16	miles
Total number of supplies afforded	...	21,456	
New supplies afforded	...	...	1,029
New mains laid	...	...	6.01 miles
Old mains renewed	...	...	1.71 miles
Number of repairs to mains and services		287	

It was not necessary to cart any water to individual properties during the year.

The Southend Waterworks Company supplied water to the parish of Mountnessing and parts of the parishes of South Hanningfield and Woodham Ferrers.

A bulk supply of water is provided by the Council to the Braintree Rural District Council to serve properties in their District which are in the Great Leighs and Hatfield Peverel localities.

The water supplied from the South Essex Waterworks Company's trunk mains is satisfactory in both quality and quantity.

The supply is piped to all parts of the District and bacteriological and chemical analyses are taken by the South Essex Waterworks Company at their treatment works. Regular samples for bacteriological examination are also taken throughout the District by the Public Health Inspectors.

The water supplied has had no action on lead piping. There has been no form of contamination that warrants report.

The following table gives details of houses and population supplied with water from the South Essex Waterworks Company.

Parish	No. of Houses Supplied Direct	No. of Houses Supplied by Standpipe	Population Supplied Direct	Population Supplied by Standpipe
Great Baddow	4,013	—	11,715	—
Galleywood	1,482	—	4,299	—
Little Baddow	490	—	1,421	—
Boreham	798	—	2,315	—
Broomfield	1,118	—	3,243	—
Chignal	121	3	351	9
Danbury	1,438	—	4,230	—
Good Easter	162	—	470	—
East Hanningfield	229	—	691	—
South Hanningfield	123	—	369	—
West Hanningfield (including Caravan Sites)	740	—	2,147	—
Highwood... ..	215	—	624	—
Ingatestone	1,636	—	4,837	—
Gt. & Lt. Leighs	356	3	1,032	9
Margaretting	364	—	1,056	—
Mashbury	40	—	116	—
Pleshey	131	—	380	—
Rettendon	471	4	1,354	12
Roxwell	412	—	1,195	—
Runwell	1,181	4	4,501	12
Sandon	371	—	1,212	—
Springfield	193	3	560	9
Stock	606	—	1,809	—
Great Waltham	693	—	2,010	—
Little Waltham	479	—	1,390	—
Woodham Ferrers	1,117	10	3,266	30
Writtle	1,856	—	5,606	—
	20,835	27	62,299	81

Total Population supplied in District — 62,380.

SEWERAGE

Public sewers are provided in the more populous areas of the following parishes:-

Great Baddow	Pleshey
Little Baddow	Rettendon (part)
Boreham	Roxwell
Broomfield	Runwell
Danbury	Sandon
Good Easter	Great Waltham
South Hanningfield	Little Waltham
(Ramsden Heath area)	Woodham Ferrers and
Ingatestone and Fryerning	Bicknacre
Mountnessing	Writtle

**NUMBER OF DWELLINGS AND ESTIMATED
POPULATION IN EACH PARISH AT
31st DECEMBER, 1968**

Parish	Number of Dwellings	Estimated Population
Great Baddow	5,495	16,014
Little Baddow	490	1,421
Boreham	798	2,648
Broomfield	1,118	3,677
Chignal	124	360
Danbury	1,438	4,230
Good Easter	162	470
East Hanningfield	229	691
South Hanningfield	708	2,154
West Hanningfield	740	2,147
Highwood	215	624
Ingatstone and Fryerning	1,636	4,837
Great and Little Leighs	359	1,041
Margaretting	364	1,056
Mashbury	40	116
Mountnessing	493	1,430
Pleshey	131	380
Rettendon	471	1,366
Roxwell	412	1,195
Runwell	1,189	4,513
Sandon	371	1,212
Springfield	196	569
Stock	606	1,809
Great Waltham	693	2,010
Little Waltham	479	1,390
Woodham Ferrers	1,127	3,296
Writtle	1,856	5,606
TOTAL	21,940	66,264

ANNUAL REPORT

of

The Chief Health Inspector,
Director of Public Cleansing
and Petroleum Inspector

To the Chairman and Members of the Chelmsford Rural District
Council.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting my Annual Report for the
year 1968.

The rapid development of the District continued — and with
this development the environmental health services endeavoured to
keep up. Some idea of the development may be gauged from the
fact that the equivalent of a parish the size of Boreham is being
added every year.

The two services that absorb most of our time and resources —
meat inspection and public cleansing — continued their usual pattern
throughout the year and the efforts of the staff concerned in main-
taining these services without a break are commended.

I record my appreciation and thanks to the Chairman and
Members of the Council and to the Chairman and Members of the
Public Health Committee for the continued support and encourage-
ment to me and to the work of the department. To Dr. Hassan,
I express my thanks for his help and guidance at all times and to
Mr. Smart, my Deputy, and to all other members of the staff
my appreciation is due for their work in such a wide range of
duties.

I am,

Mr. Chairman, Ladies and Gentlemen,
Your obedient Servant,

T. H. C. BARTROP.

INSPECTION WORK CARRIED OUT BY THE HEALTH INSPECTORS

The following table gives details of the housing work carried out during the year.

1. Inspection of Dwelling-Houses:—

(1) Number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ...	392
(2) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	12
(3) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	42

2. Remedy of defects without service of formal notices:—

Number of defective dwelling-houses rendered fit in consequence of informal action by the local authority or their officers	27
--	----

3. Action under statutory powers:—

Proceedings under Public Health Acts:—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	9
(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—	

By Owners	18
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Proceedings under Sections 17 and 18 of the Housing Act, 1957:—

(1) Number of dwelling-houses in respect of which Demolition Orders were made	1
--	---

(2) Number of houses closed as a result of Closing Orders	Nil
--	-----

(3) Number of dwelling-houses demolished in pursuance of Demolition Orders:—

By Owners	2
------------------	---

(4) Number of dwelling-houses rendered fit for human habitation as a result of owners complying with undertakings to carry out works of repair	Nil
---	-----

(5) Number of houses demolished by owners as a result of informal action	Nil
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PARTICULARS OF INSPECTIONS FOR THE YEAR 1968

Housing Inspections			Brought Forward			3,199
Under Public Health Acts	.....	330	Keeping of Animals	.....	17	
Under Housing Acts	.....	62	Broiler Houses	.....	7	
Housing Re-Inspections			Schools	.....	8	
Under Public Health Acts	.....	281	School Kitchens/Canteens	.....	140	
Under Housing Acts	.....	203	School Swimming Pools	.....	47	
Water Supply			Meat Inspection	.....	1433	
Mains	.....	65	Poultry Inspection	.....	4	
Mains Samples	.....	146	Slaughterhouse Inspection			
Non-Mains	.....	21	Meat	.....	7	
Non-Mains Samples	.....	9	Poultry	.....	4	
House Drainage			Food Premises			
Sewer	.....	191	Bakehouses	.....	16	
Non-Sewer	.....	698	Butchers	.....	54	
Connections to Sewer	.....	77	Canteens/Catering	.....	101	
Pail Closet Conversions	.....	34	Establishments			
Surface Water Drainage	.....	122	Fishmongers	.....	12	
Rats and Mice	.....	306	Greengrocers	.....	13	
Insect Pests	.....	105	Grocers/General Provisions	....	143	
Infectious Diseases	.....	39	Licensed Premises	.....	38	
Factories with Mechanical	.....	48	Unsatisfactory Food	.....	38	
Power			Itinerant Food Vendors	.....	21	
Outworkers	.....	10	Surrender of Unfit Food	.....	38	
Moveable Dwellings	.....	60	Misc. Food Visits	.....	12	
Moveable Dwellings Sites	.....	58	Ice Cream			
Noise	.....	84	Premises	.....	11	
Diseases of Animals	.....	28	Sampling	.....	58	
Waste Food Order			Public Cleansing			
Air Pollution			Administration	.....	460	
National Survey	.....	59	Collection	.....	325	
Clean Air Acts	.....	148	Disposal	.....	122	
Piggeries	.....	15	Civic Amenities Act	.....	33	
			Petroleum	.....	140	
			Miscellaneous	.....	440	
Carried Forward		3,199	Total		7,146	

PARTICULARS OF NOTICES FOR THE YEAR 1968

	Notices Out- stand- ing at end of 1967	Notices Served		Notices		
		Statu- tory	Infor- mal	Com- plied with	Can- celled	Out- stand- ing at end of 1968
Structural Defects ...	76	3	33	26	4	82
Water Closets ...	126	5	—	17	—	114
Pail Closets ...	3	—	—	—	—	3
House Drainage ...	165	3	21	26	6	157
Other Drainage ...	7	—	1	—	—	8
Water Supply ...	12	1	—	2	—	11
Urinals ...	2	—	1	—	—	3
Piggeries ...	3	—	—	—	—	3
Animals Im- properly Kept ...	—	—	1	—	—	1
Rats and Mice ...	7	—	1	—	—	8
Moveable Dwellings	2	—	—	—	—	2
Slaughterhouses ...	11	—	1	—	—	12
Food Premises ...	24	—	13	9	1	27
Factories — with Mechanical Power ...	4	—	5	—	—	9
Dustbins ...	32	—	4	1	—	35
Miscellaneous ...	24	—	9	7	3	23
TOTALS ...	498	12	90	88	14	498

PUBLIC HEALTH ACT, 1936

Section 47 (Closet Conversions)

The construction of sewers in areas of older development leads to the necessity of converting various types of closets to water closets and the Council is in these cases able to make grants under section 47 of the Public Health Act, 1936, towards the cost. Alternatively, this work may be included in an application for an Improvement Grant. During the year, ten pail/chemical closets were converted to water closets and connected to the main sewer as a result of action under section 47. These were distributed as follows:—

Danbury	...	...	1	Woodham Ferrers	...	5
Pleshey	...	...	2	Sandon	...	1
Runwell	...	...	1			

IMPROVEMENT GRANTS UNDER THE HOUSING ACTS

Discretionary Grants continued to be the concern of the Engineer and Surveyor's Department and Standard Grants of this Department.

The following tables give information on the use made of this scheme during the year:—

DISCRETIONARY GRANTS

Applications received	...	...	...	...	...	38
Applications approved—						
Owner/occupiers	...	...	...	...	...	29
Others	...	...	...	...	...	4
Amount paid	...	...	...	...	...	£12,164

STANDARD GRANTS

Applications received	...	...	...	...	...	49
Applications approved—						
Owner/occupiers	...	...	...	...	...	31
Others	...	...	...	...	...	20
Grants paid	...	...	...	...	...	39
Amounts paid	...	...	...	...	...	£7,990
Standard amenities provided—						
Fixed bath or shower in a bathroom	...	...	...	...	...	30
Wash basin	...	...	...	...	...	36
Hot water supply	...	...	...	...	...	36
Water closet	...	...	...	...	...	36
Food store	...	...	...	...	...	29

CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960

During the year, twenty-seven Site Licences were in force.

The conditions attached to these licences are based on the Model Conditions, modified where necessary in respect of individual sites.

<i>Parish</i>						<i>No. of Site Licences</i>	<i>No. of Caravans</i>
Little Baddow	...	...	...	...	...	1	1
Boreham	...	...	...	...	...	2	24
Chignal	...	...	...	...	...	1	1
Danbury	...	...	...	...	...	1	1
West Hanningfield	...	...	...	...	...	5	296
Highwood	...	...	...	...	...	1	8
Margaretting	...	...	...	...	...	2	3
Mountnessing	...	...	...	...	...	2	2
Rettendon	...	...	...	...	...	3	18
Sandon	...	...	...	...	...	1	6
Stock	...	...	...	...	...	1	1
Great Waltham	...	...	...	...	...	1	5
Little Waltham	...	...	...	...	...	1	2
Woodham Ferrers	...	...	...	...	...	1	2
Writtle ...	...	...	...	...	...	1	2
						<u>24</u>	<u>372</u>

Sites licensed for summer months only

Little Baddow	...	...	...	...	...	1	20
Rettendon	...	...	...	...	...	2	177
						<u>3</u>	<u>197</u>

The purchase by the Council of a residential caravan site at Bramwoods Farm, Highwood, was completed in 1965. It is to be developed as a site for some fifty-five residential caravans but this development is to be phased with the proposed main drainage scheme for the parish of Highwood. Plans to this end are already in hand. In the meantime, no additional caravans or changes in occupancy are being permitted.

ESSEX COUNTY COUNCIL ACT, 1933

Ice Cream

The number of registered premises at the end of 1968 was 159.

The retailers' sources of supply and premises are investigated before certificates are issued.

Ice Cream Sampling

One hundred and thirteen samples of ice cream and forty-three samples of ice lollies were submitted to the bacteriologist for examination.

Five of the samples of ice cream and one of the samples of ice lollies were unsatisfactory, but repeat samples proved satisfactory.

CONDEMNED FOODSTUFFS

During 1968, the following foods (other than meat and offal in slaughterhouses) were condemned as unfit for human consumption and were voluntarily surrendered by the owners concerned.

	lb.
Meat, poultry and offal	329
Cooked meat, preserved meat and other meat products	29
Canned meat	523
Canned fruit and vegetables	503
Fish	167
Butter	80
Jam	30
Apples	2,558
Potatoes	9,900
Frozen foods	1,961 packets.

FOOD HYGIENE (GENERAL) REGULATIONS, 1960

Circular 1/68 of the Ministry of Health requires the following tabular information to be included in the Report.

Regulation 16 requires the provision of wash-hand basins together with an adequate supply either of hot and cold water or of hot water at a suitably controlled temperature (except that cold water only is required where no open food handled) and soap (or detergent), nail brushes and drying facilities.

Regulation 19 requires the provision of facilities for washing food and equipment by means of sinks provided (with certain exceptions) with either hot and cold water or of hot water at a suitably controlled temperature, together with soap (or detergent) and clean cloths or other adequate and suitable cleaning and drying facilities.

Category				NUMBER OF PREMISES			
				Total	complying with Regulation 16	to which Regulation 19 applies	complying with Regulation 19
Bakers	...	...	...	15	15	15	15
Butchers	...	...	...	25	25	25	25
Canteens and Catering Establishments	...	...	...	174	174	174	174
Fishmongers	...	...	...	5	5	5	5
Greengrocers	...	...	...	13	13	13	13
Grocers and General Provisions ..	...	...	...	110	110	110	110
Miscellaneous	...	...	...	24	24	12	12
TOTALS				366	366	354	354

SWIMMING POOLS

There is no public swimming pool in the District. The number of small, private swimming pools (often pre-fabricated) continues to grow and although there is no control over these, we have been pleased to advise on sterilisation and other problems in some cases. A number of schools, state and private, are also being provided with swimming pools. Regular testing (for chlorine content and pH) is carried out at these pools.

WATER SAMPLING

During 1968, a total of 195 samples of mains, well and rain water were taken as follows:—

Samples for bacteriological examination from new and existing mains	...	...	...	...	...	188
Samples for chemical and bacteriological examination from existing mains	...	...	...	...	...	3
Samples for bacteriological examination from well supply	...	...	...	...	...	1
Samples for chemical and bacteriological examination from well supply	...	...	...	...	...	2
Samples for chemical examination from rain water supply	...	...	...	...	...	1

MILK SUPPLY

The Ministry of Agriculture, Fisheries and Food is responsible for the supervision of dairy farms, and the Essex County Council, under the Milk and Dairies (Special Designations) Regulations, 1963, for the registration of distributors of milk and for issuing dealers' licences and supplementary licences.

BAKEHOUSES

The following table shows the number of bakehouses in use at the end of the year:—

Great Baddow	...	...	...	Carters (Gt. Baddow) Ltd.
Broomfield	...	...	...	G. H. Follett.
South Hanningfield	...	...	...	Stafford (Bakeries) Ltd.
Ingatestone and Fryerning	...			E. Warder. S. Raven.
Rettendon	...	...	...	H. and E. Benson.
Great Waltham	...	...	...	Bigg Bros.
Little Waltham	...	...	...	E. W. Amos, Ltd.
Woodham Ferrers	...	...	...	Taylor and Woodland.

POULTRY INSPECTION

The difficulties of providing a local authority-based inspection service for poultry may be gauged by the fact that the output from one premises alone is of the order of six million birds a year. At these premises, the firm's own inspection and quality control service is checked from time to time, and is considered to be a satisfactory one. The premises were purpose-built and the standard of the equipment is of a high order.

Whilst concentrating our efforts on these large premises, I must express my concern that many small premises, often seasonal in character, do not always attain the necessary high standards of food hygiene. Under existing law, the operators of these premises are not required to notify the local authority of their intention to use such premises.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

This Act, reinforced by Orders and Regulations made thereunder, is designed to contribute to the health, welfare and safety of persons employed in offices, shops and certain railway premises and extends legislation into new fields of non-industrial employment.

Close liaison is maintained with the Factory Inspectorate and with the County Fire Brigade. The following information is extracted from the Annual Return to the Ministry of Labour.

Class of Premises				Number registered during 1968	Total number registered at end of 1968
Offices	...	...	...	1	69
Retail shops	...	...	...	2	170
Wholesale shops, warehouses	...	...	...	—	12
Catering establishments open to public, canteens	...	...	...	—	34
Fuel storage depots	...	...	...	—	1
Totals				3	286

Number of registered premises receiving a general inspection in 1968	...	23
Number of visits of all kinds to registered premises in 1968	...	71

Number of persons employed in each class of workplace:

Offices	...	...	...	...	...	...	743
Retail shops	...	...	...	...	...	...	599
Wholesale departments, warehouses	...	...	...	...	...	...	81
Catering establishments open to public	...	...	...	...	...	...	114
Canteens	...	...	...	...	...	...	33
Fuel storage depots	...	...	...	...	...	...	5
Total (875 males, 700 females)							1,575

Number of accidents reported during year	...	...	...	Nil.
--	-----	-----	-----	------

AIR POLLUTION

1968 was the fourth full year in which the semi-automatic smoke and sulphur dioxide recording instrument at the Water Tower, Mountnessing, was in operation.

The mean daily recordings for each month of these four years is set out below, from which it will be seen that although the seasonal pattern of smoke and sulphur dioxide concentrations continues, 1968 saw yet another small decrease in the amount of smoke in the atmosphere. There was a significant decrease in the sulphur dioxide readings and the rises of 1966 and 1968 have been checked. In fact, the average daily figure for 1968 is back to the 1965 figure.

Arithmetic Mean of Daily concentrations in micrograms per cubic metre.

				Smoke				Sulphur Dioxide			
				1965	1966	1967	1968	1965	1966	1967	1968
January	...	...	...	45	53	43	35	82	75	101	89
February	...	...	...	41	26	36	31	52	62	81	78
March	...	...	...	37	33	13	17	84	86	60	56
April	...	...	...	19	17	13	17	48	50	44	65
May	...	...	...	14	13	10	11	45	47	56	47
June	...	...	...	10	12	10	9	36	47	60	52
July	...	...	...	9	10	10	8	38	41	70	45
August	...	...	...	13	12	10	10	41	41	62	43
September	...	...	...	24	18	15	12	60	50	49	47
October	...	...	...	34	21	14	18	39	47	56	60
November	...	...	...	46	42	33	43	56	75	76	50
December	...	...	...	59	23	46	25	110	91	104	66
Year	...	...	...	29	23	21	20	58	59	68	58

ADMINISTRATION OF THE FACTORIES ACT, 1961

1. INSPECTIONS for the purpose of provisions as to health including inspections made by Health Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ...	—	—	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ...	216	48	5	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	—	—	—	—
TOTAL ...	216	48	5	—

2. CASES IN WHICH DEFECTS WERE FOUND

Particulars	Number in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	
Want of cleanliness (S.1.)	—	—	—	—	—
Overcrowding (S.2.) ...	—	—	—	—	—
Unreasonable temperature (S.3.) ...	—	—	—	—	—
Inadequate ventilation (S.4.) ...	—	—	—	—	—
Ineffective drainage of floors (S.6.) ...	—	—	—	—	—
Sanitary Conveniences (S.7.) { Insufficient...	—	—	—	—	—
{ Unsuitable or defective ...	5	—	—	—	—
{ Not separate for sexes ...	—	—	—	—	—
Other Offences against the Act (not including offences relating to outwork) ...	—	—	—	—	—
TOTAL ...	5	—	—	—	—

OUTWORK

Nature of Work (1)	Section 133				Section 134	
	No. of out-workers in August list required by Sect. 133 (1) (c) (2)	No. of cases of default in sending lists to the Council (3)	No. of prosecutions for failure to supply lists (4)	No. of instances of work in some unwhole-premises (5)	Notices served (6)	Prosecutions (7)
Wearing apparel—Making, etc.	16	—	—	—	—	—
Basket Making ...	2	—	—	—	—	—
Miscellaneous ...	2	—	—	—	—	—
TOTAL ...	20	—	—	—	—	—

MEAT INSPECTION

The meat inspection service was again maintained throughout the year and every animal slaughtered in the District for human consumption received a detailed inspection in accordance with the requirements of the Meat Inspection Regulations, 1963. The total number of animals slaughtered and inspected was 117,405 and the amount of meat and edible offal found diseased, unsound or unfit for human consumption totalled 105 tons 10 cwts. 60 lb.

The staff available for meat inspection remained at one under establishment and renewed efforts will be made to remedy this during the coming year.

TABLE I. — Number of animals killed and inspected:—

		Cattle excluding		Sheep and		Pigs	Total	Total weight of meat condemned		
		Cows	Calves	Lambs				tons	cwts.	lb.
1955	...	2,096	599	445	5,672	10,716	19,528	11	6	54
1956	...	2,482	511	826	6,306	13,206	23,331	10	17	46
1957	...	3,187	462	533	9,259	18,849	32,290	13	17	88
1958	...	3,313	994	396	16,868	31,284	52,555	17	17	93
1959	...	2,785	1,543	536	25,612	31,440	61,916	33	5	78
1960	...	4,283	1,323	1,431	19,782	38,961	65,780	24	12	69
1961	...	5,946	1,132	1,008	31,793	39,487	79,366	23	14	36
1962	...	6,241	1,274	1,119	36,211	43,380	88,675	24	8	89
1963	...	6,292	1,448	744	31,314	42,749	82,547	25	10	78
1964	...	7,041	1,313	405	37,969	63,732	110,460	64	15	32
1965	...	6,733	1,054	423	36,589	77,816	122,615	71	5	7
1966	...	7,587	1,371	600	48,665	87,807	146,030	93	16	20
1967	...	6,884	1,537	465	35,985	78,553	123,428	89	19	90
1968	...	6,083	2,019	271	27,289	81,743	117,405	105	10	60

The number of animals inspected and affected with disease, etc., are set out in the following table (Table II), the figures in brackets relating to the year 1967.

TABLE II. — Animals inspected and number affected with disease, etc.

	Cattle, including			Sheep and	
	Cows	Cows	Calves	Lambs	Pigs
Number inspected	6,083 (6,884)	2,019 (1,537)	271 (465)	27,289 (35,985)	81,743 (78,553)
ALL DISEASES EXCEPT TUBERCULOSIS					
Whole carcasses condemned	3 (3)	9 (6)	9 (17)	16 (9)	94 (109)
Carcasses of which some part or organ was condemned ...	2,314 (2,752)	915 (504)	3 (12)	6,945 (5,375)	32,636 (31,528)
Percentage of the number inspected affected	38.0 (40.0)	45.8 (33.0)	4.4 (6.2)	25.5 (14.9)	40.0 (40.3)
TUBERCULOSIS ONLY					
Whole carcasses condemned	—	—	—	—	—
Carcasses of which some part or organ was condemned ...	(—)	(—)	(—)	(—)	(2)
Percentage of the number inspected affected	(2)	(1)	(—)	(—)	2,384* (2,570)
	0.0 (0.03)	0.0 (0.065)	0.0 (—)	0.0 (—)	2.9* (3.3)

*This figure includes references to cases of *Corynebacterium equi*, which is sometimes difficult to distinguish from tuberculosis with the resources available.

The amount of tubercular* meat (all from pigs) (12 tons 9 cwt. 50 lb.) was approximately one-eighth of the total, compared with one-seventh in 1967, but a most significant and encouraging item to report is that for the first time ever no evidence of tuberculosis in bovines was found. This is a measure of the success of the Bovine Tuberculosis Eradication Scheme started only a few years ago by the Ministry of Agriculture, Fisheries and Food.

In addition to the above, three (the same number as in 1967) bovine carcasses were found to be affected with the parasite *Cysticercus bovis* which causes the condition commonly known as "measly beef". The carcasses were released when we were satisfied that arrangements had been made for them to be held for three weeks in a refrigerator at 20°F. This treatment destroys the cysts, provided they are not generalised in the carcase musculature as well as in the usual sites of predilection.

All the meat condemned was voluntarily surrendered by those concerned and it was not necessary to resort to any legal action.

The inspection staff have continued to keep detailed records of the amount and reasons for condemnations and I am grateful to them for their care and thoroughness in this matter. The annual survey of the causes for the various condemnations is set out in the following Table III (pages 31 & 32).

In my report of 1967 I referred to the great economic importance of some of these diseases and conditions. The figures for 1968 show that:—

1,878 bovine livers (approximately 23% of the total compared with 25% last year) were affected with distomatosis (liver fluke);

6,064 sheep's livers (approximately 22% of the total, compared with 20% last year) were affected with parasites, about one-third being liver flukes;

13,782 pigs' livers (approximately 17% of the total, compared with 16% last year) were affected with ascarides and another 4,813 (6% of the total, compared with 5% last year) with cirrhosis;

7,011 pigs' lungs (8.6% of the total, compared with 9.7% last year) were affected with pneumonia and another 3,459 (4.2% of the total, compared with 3.8% last year) with pleurisy and congestion, whilst 763 pigs (0.9% of the total, compared with 8.8% last year) were affected with arthritis of sufficient magnitude to warrant condemnation of the parts affected. Although this last figure shows a dramatic drop, the figures in general suggest that a determined attack should be made poor animal husbandry.

TABLE III — Numbers of condemnations and reasons therefor.

CATTLE, INCLUDING COWS

			No. of whole or parts				No. of whole or parts
HEAD							
Abscesses ...	...	...	6	Distomatosis ...	...	...	33
Actinomycosis ...	...	...	13	Emphysema ...	...	...	34
Contamination ...	...	...	4	Melanosis ...	...	...	1
Cysticercus bovis ...	...	...	4	Pleurisy ...	...	...	224
HEART				Pneumonia ...	...	...	39
Cyst ...	...	...	1	SKIRT			
Cysticercus bovis ...	...	...	9	Contamination ...	...	...	16
Pericarditis ...	...	...	10	Cysticercus bovis ...	...	...	10
Xanthosis ...	...	...	1	Peritonitis ...	...	...	15
INTESTINES				SPLEEN			
Peritonitis ...	...	...	2	Congestion ...	...	...	8
KIDNEY				Inflammation ...	...	...	1
Abscesses ...	...	...	2	TAILS			
Cysts ...	...	...	16	Contamination ...	...	...	8
Nephritis ...	...	...	101	TONGUE			
Petechial haemorrhage ...	...	...	2	Actinobacillosis ...	...	...	17
LIVER				Cysticercus bovis ...	...	...	3
Abscesses ...	...	...	363	Traumatism ...	...	...	2
Cirrhosis ...	...	...	19	PARTS OF CARCASSES			
Cysts ...	...	...	7	Abscesses ...	...	...	8
Degeneration ...	...	...	14	Arthritis ...	...	...	3
Distomatosis ...	...	...	1,878	Bruising ...	...	...	16
Hepatitis ...	...	...	8	Contamination ...	...	...	1
Melanosis ...	...	...	2	Oedema ...	...	...	3
Parasites (other) ...	...	...	21	Mastitis ...	...	...	1
Peritonitis ...	...	...	1	Pneumonia and Odour ...	...	...	1
Telangiectasis ...	...	...	304	CARCASSES AND ALL ORGANS			
Tumours ...	...	...	2	Acetonaemia ...	...	...	1
LUNGS				Emaciation and atrophy...	...	...	1
Abscesses ...	...	...	30	Fevered ...	...	...	2
Actinobacillosis ...	...	...	1	Fever and emaciation ...	...	...	1
Congestion ...	...	...	14	Oedema and emaciation...	...	...	1
Contamination ...	...	...	106	Septic mastitis ...	...	...	1
Cysts ...	...	...	27	Septic metritis ...	...	...	3
				Septic pericarditis ...	...	...	1

SHEEP AND LAMBS

HEART				PLUCKS			
Blood-splashing ...	...	...	5	Contamination ...	...	...	44
Cysticercus ovis ...	...	...	13	Inflammation ...	...	...	84
Pericarditis ...	...	...	2	Parasites ...	...	...	150
KIDNEYS				PARTS OF CARCASSES			
Nephritis ...	...	...	1	Abscesses ...	...	...	2
LIVER				Bruising ...	...	...	8
Contamination ...	...	...	9	Oedema ...	...	...	1
Distomatosis ...	...	...	2,059	Septic pleurisy ...	...	...	1
Parasites (other) ...	...	...	4,005	CARCASSES AND ALL ORGANS			
LUNGS				Abscesses ...	...	...	2
Contamination ...	...	...	9	Bruising ...	...	...	1
Parasites ...	...	...	780	Emaciation ...	...	...	6
Pleurisy ...	...	...	13	Immaturity ...	...	...	2
Pneumonia ...	...	...	165	Gangrene ...	...	...	2
				Lymphosarcoma ...	...	...	1
				Oedema ...	...	...	2

CALVES

PARTS OF CARCASSES			No. of whole or parts	CARCASSES AND ALL ORGANS			No. of whole or parts
Peritonitis ...	...	...	1	Joint Ill ...	...	...	3
Septic pneumonia ...	...	...	2	Odour ...	...	...	2
				Septic pericarditis..	...	...	1
				Septic pneumonia..	...	...	3

PIGS

FLARE			PARTS OF CARCASSES		
Abscesses ...	...	102	Abscesses ...	...	216
Contamination ...	...	260	Arthritis ...	...	763
Inflammation ...	...	2,135	Atrophy ...	...	2
HEAD AND TONGUE			Bruising ...	...	58
Abscesses ...	...	49	Erysipelas ...	...	10
Tuberculosis ...	...	2,099	Interstitial myosotis	...	1
HEART			Metaplasia ...	...	1
Endocarditis ...	...	5	Oedema ...	...	8
Pericarditis ...	...	1,035	Peritonitis ...	...	2
KIDNEY			Septic pleurisy ...	...	8
Abscesses ...	...	2	Skin rash ...	...	12
Cysts ...	...	723	Traumatism ...	...	21
Nephritis ...	...	357	Tuberculosis ...	...	1
Pyelonephritis ...	...	2	CARCASSES AND ALL ORGANS		
LIVER			Congestion ...	...	6
Ascarides ...	...	13,782	Emaciation ...	...	6
Cirrhosis ...	...	4,813	Fever ...	...	1
Contamination ...	...	33	Jaundice ...	...	3
Cysts ...	...	4	Lymphosarcoma	...	1
LUNGS			Moribund ...	...	3
Abscesses ...	...	2	Multiple abscesses	...	43
Congestion ...	...	3,112	Pyaemia ...	...	3
Contamination ...	...	29	Pyelonephritis ...	...	1
Pleurisy ...	...	347	Paratyphoid ...	...	1
Pneumonia ...	...	7,011	Odour ...	...	1
MESENTERY			Oedema ...	...	6
Abscesses ...	...	5	Septicaemia ...	...	1
Enteritis ...	...	2	Septic arthritis ...	...	3
Peritonitis ...	...	2,520	Septic pneumonia	...	4
Tuberculosis ...	...	1,389	Septic peritonitis	...	7
PLUCKS			Septic pericarditis	...	2
Contamination ...	...	118	Swine erysipelas ...	...	2
Inflammation ...	...	2,590			
Tuberculosis ...	...	1			

This report shows, in my opinion, that the high standard of this Council's meat inspection service has been maintained and the Council, and the consumer public, may be assured that all meat that goes out of this District is inspected by a qualified inspectorate working with a skill and thoroughness that such an essential public service demands.

Slaughterhouses

J. Copsey and Sons, Ltd., "Rothmans," High Street, Great Baddow.

A. Fincham, High Street, Ingatestone.

F.D. Mahoney, Ltd., Ramsden Heath.

Knackers Yard

There is one in the District situated in the parish of Great Baddow.

It was inspected regularly and no cause for complaint arose. The premises were closed by the owners on the 31st December.

Slaughtermen's Licences

Under the Slaughter of Animals Act, 1958, the department is responsible for the issue of licences to and the supervision of slaughtermen practising within the District. In 1968, eighteen licences were issued.

DISEASES OF ANIMALS ACT, 1950

DISEASES OF ANIMALS (WASTE FOODS) ORDER, 1957

This Order prohibits the feeding of unboiled waste foods to certain animals or to poultry and requires, in general, all premises where waste food boiling is carried out to be licensed with the local authority. The Order also contains other controls designed to prevent the spread of foot-and-mouth and other diseases.

There are four licensed boiling plants in this District.

ANIMAL BOARDING ESTABLISHMENTS ACT, 1963

This Act provides, with a few exceptions, for the annual licensing of boarding establishments for cats and dogs.

Conditions are attached to each licence and these have regard to the accommodation, control of infection, food and drink, fire precautions, exercising facilities and other allied matters.

The Council has appointed Messrs. Newsholme, Fairhead and Felgate, M's.R.C.V.S., as Veterinary Officers. All the premises, prior to and after licensing, are inspected and reported upon by the Veterinary Officers.

At the end of the year, eleven licences were in force, distributed as follows:—

Mr. and Mrs. R. C. Aston, Longmead, Stock Road, Galleywood.

Mr. J. H. Bailey, Ladybird Kennels, Roman Road, Ingatestone.

Mr. P. J. Poston, Homefield Kennels, Main Road, Widford (Margaretting parish).

Messrs. P. Blow and T. D. Lockett, Eastfields, Main Road, Margaretting.

Mrs. M. Neave, Buckhatch Farm, Rettendon Common, Rettendon.

Mr. and Mrs. G. L. Lindsey, Gayfields, Woodham Road, Battlesbridge, Rettendon.

Mr. and Mrs. I. Frith, Salcombe, Chalk Street, Rettendon.

Mr. F. A. W. Barker, Chelmerton Kennels, Roxwell Road, Roxwell.

Miss J. E. Heard, Sandon Hall Bungalow, Sandon.

Mrs. C. Swift, Greenwoods Farm, Stock.

Mrs. M. Bailey, Fairybridge Kennels, Domsey Lane, Little Waltham.

PUBLIC CLEANSING

Refuse Collection

The year saw the continued development of the refuse collection service to meet the needs of a rapidly growing District. At the end of the year, approximately 190 households and premises received a twice-weekly service, 20,000 a weekly service and 2,440 a fortnightly one. The relatively small number of complaints about the service reflects, in general, the satisfactory way in which all engaged in the service go about their work. The incentive bonus scheme continues to prove its worth, but the increase in productivity and the growth of the District are highlighting certain shortcomings of our simple scheme.

The problem of absences through holidays, sickness and other causes continues and the employment of temporary labour during the holiday months has done little to improve the situation. The increase in the number of men with long-service holiday entitlements has made it necessary to adopt a policy of more strict control of holiday dates. Checks are made of absences due to non-certified sickness.

The problem of the increase in bulk of domestic refuse is being dealt with by the use of larger capacity collection vehicles. We now have four vehicles with power presses and six continuous-loading compression vehicles, all of which have greater pay-loads. The use of the bulk-container system continued to grow and, at the end of the year, eighty-nine were in use at flats and at offices, shop and trade premises.

The collection service was extended during the year to Runwell Hospital, including the staff houses. The refuse is stored in paper sacks in individual wards and units. The sacks are then conveyed to a central collection point from which they are collected twice-weekly by the Council.

The special collection service continued to be in demand and one of the smaller vehicles is utilised full-time on this. The service caters for certain food, trade and business premises and householders who have bulky items of refuse.

The problem of collecting refuse from unmade roads is now only acute in the parishes of Woodham Ferrers and Runwell and here, at certain road junctions, we maintain paper sacks on holders within fenced compounds.

Inaccessibility of dustbins due to the increasing number of attached garages on private housing estates and locked side-entrance gates remains a difficult problem.

A skip system of collection is operated, in which refuse is removed from the bin site by emptying it into a plastic or aluminium alloy skip; this is subsequently emptied into the collection vehicle.

Collection Frequencies

Great Baddow	...	...	...	Weekly
Little Baddow	...	...	...	Weekly
Boreham	...	...	...	Weekly
Broomfield	...	...	...	Weekly
Chignal	...	...	...	Fortnightly
Danbury	...	...	...	Weekly*
Good Easter				
(a) Village area	...	...	...	Weekly
(b) Remainder of parish	...	...	...	Fortnightly
East Hanningfield				
(a) Village area	...	...	...	Weekly
(b) Remainder of parish	...	...	...	Fortnightly
South Hanningfield	...	...	...	Weekly*
West Hanningfield	...	...	...	Fortnightly
Highwood	...	...	...	Fortnightly
Ingatstone and Fryerning	...	...	...	Weekly
Great & Little Leighs	...	...	...	Fortnightly
Margaretting				
(a) Village area	...	...	...	Weekly
(b) Remainder of parish	...	...	...	Fortnightly
Mashbury	...	...	...	Fortnightly
Mountnessing	...	...	...	Weekly*
Pleshey				
(a) Village area	...	...	...	Weekly
(b) Remainder of parish	...	...	...	Fortnightly
Rettendon	...	...	...	Weekly
Roxwell	...	...	...	Weekly
Runwell	...	...	...	Weekly
Sandon	...	...	...	Weekly
Springfield	...	...	...	Weekly
Stock	...	...	...	Weekly
Great Waltham				
(a) Village area	...	...	...	Weekly
(b) Remainder of parish	...	...	...	Fortnightly
Little Waltham				
(a) Village area	...	...	...	Weekly
(b) Remainder of parish	...	...	...	Fortnightly
Woodham Ferrers				
(a) South Woodham Ferrers	...	...	...	Weekly*
(b) North Woodham	...	...	...	Fortnightly
Writtle	...	...	...	Weekly

*A few isolated properties in these parishes are collected fortnightly.

Refuse Disposal

The whole of the refuse arising from the District (approximately 17,250 tons) was disposed of by controlled tipping in a worked-out gravel pit owned by the Council and situated off Little Waltham Road, Broomfield.

The levelling and consolidation of the refuse and the spreading of covering soil was carried out by the use of a mechanical shovel. The Weatherill L.61B (No. 5) continued to give satisfactory service. The Weatherill L.61 (No. 4) purchased in 1963, gave service as a reserve machine.

Public Cleansing Depot

The accommodation comprises garages for vehicles, workshop, spare parts store, office, general store, messroom, locker room, clothes-drying room and sanitary accommodation. The yard is concreted and contains a vehicle-washdown area.

The alteration carried out to provide more spacious accommodation has not solved the problem of congestion at the Depot. This congestion is brought about by the use of larger types of vehicles and the increasing number of workmen's cars.

The disposal of surface water and the water from the wash-down area gave rise to difficulties during the winter months.

Alterations carried out at the Depot included the conversion of two small garages into an office and stores.

The appointment of a Depot Clerk has enabled better records to be kept at the depot office and has relieved the general office of some work.

Transport

The transport for the public cleansing service consisted of the following vehicles:—

Vehicle No.	Make	Capacity in cu. yds.	Date Purchased	Mileage 1968
* 7	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper) ...	16/18	1954	6,271
* 9	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper) ...	16/18	1957	899
12	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper) ...	16/18	1958	9,309
13	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper) ...	16/18	1958	6,900
14	Shelvoke & Drewry (Diesel Side Loader) ...	11	1959	8,255
15	Shelvoke & Drewry (Diesel Side Loader) ...	11	1959	10,418
16	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper) ...	12/14	1960	9,827
17	Ford Eagle Body Side Loader (Petrol) ...	3	1961	8,315
18	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper) ...	12/14	1962	11,677
19	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper – Bulk Loader) ...	16/18	1962	7,065
20	Bedford 15 cwt. Dropside Truck (Petrol) ...	—	1963	7,333
21	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper – Bulk Loader with Powerpress) ...	25	1963	6,237
22	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper – Bulk Loader with Powerpress) ...	25	1964	9,339
23	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper – Bulk Loader with Powerpress) ...	25	1964	8,756
24	Bedford 15 cwt. Dropside Truck (Petrol) ...	—	1965	8,485
25	Shelvoke & Drewry (Diesel – Pakamatic) ...	35	1965	5,592
26	Shelvoke & Drewry (Diesel – Pakamatic) ...	35	1966	4,955
28	Shelvoke & Drewry (Diesel – Pakamatic) ...	35	1967	9,810

Transport – continued.....

Vehicle No.	Make	Capacity in cu. yds.	Date Purchased	Mileage 1968
†29	Shelvoke & Drewry (Diesel Fore-and-Aft Tipper) ...	25	1968	2,957
†30	Shelvoke & Drewry (Diesel – Pakamatic) ...	35	(July) 1968	3,081
†31	Shelvoke & Drewry (Diesel – Pakamatic) ...	35	(July) 1968	3,989
†32	Shelvoke & Drewry (Diesel – Pakamatic) ...	35	(August) 1968	3,716
†33	B. M. C. (Diesel – Side Loader) ...	7	(August) 1968	1,250
			(Nov.)	
–	Loan Vehicles from Messrs. Shelvoke and Drewry, Ltd.	...	...	<u>4,710</u>
			Total Mileage	... <u>159,146</u>

* Taken out of service during 1968.

† Brought into service during 1968.

Every effort is made to reduce the number of accidents, but it must be remembered that our heavy, long wheel-base vehicles, with overhanging auxiliary equipment, are out under all weather conditions five days a week and operate on all classes of roads, lanes, estate roads and driveways, continually stopping, starting and turning round.

Maintenance and repair of all the Department's vehicles are undertaken in the workshop by two fitter/mechanics. On occasions, specialist work is carried out by the vehicle manufacturers. The workshop equipment includes automatic air compressor, welding equipment, engine-lifting crane, pressure lubrication and steam cleaner. Working conditions were considerably improved during the year by the installation of a 14-tons heavy duty vehicle lift.

Salvage

The salvage bonus scheme continued in operation on a limited scale. One-third of the proceeds are retained by the Council, the remaining two-thirds being allocated to the workmen.

Civic Amenities Act, 1967.

In view of the continuing problem of indiscriminate dumping of litter and refuse on roadside laybys, the Department undertook the clearance of litter bins from laybys on the A12 Trunk Road and several other laybys on county roads. This work commenced in July, 1968, and the cost is defrayed by the Essex County Council on an agreed formula.

A total of 1,616 emptyings was made from forty-three litter bins at the laybys on the A12. Twenty litter bins are regularly serviced on laybys on county roads.

The Council also helps in the reduction of the problem of litter by providing a free disposal service at the refuse tip, by arranging special collections (free of charge) for bulky and unwanted articles and by collecting, usually free of charge, unsightly deposits of rubbish provided they are collected together in a spot accessible for vehicles.

Nightsoil Collection

A weekly collection of nightsoil from premises in specified areas in the parishes of Rettendon and Woodham Ferrers is carried out by a private contractor, Mr. G. Barker, of Steeple.

Cesspool Emptying Service

This service came into operation on the 18th February, 1964, and by the end of 1968, 2,734 applications had been received.

The scheme is carried out by contract by Messrs. Purle Waste Disposal (Eastern) Ltd., of Rayleigh. The charges at the end of the year were 70/- for the first 1,250 gallon load and 40/- for each additional load or part thereof. These charges are for the emptying of the cesspool only and do not include any charges for the cleansing of any choked or blocked drain, trap or inspection chamber or for the digging out of sludge. The charges for such additional work are negotiated direct with the contractors.

PETROLEUM SPIRIT LICENCES

During the year, 178 licences to store petroleum spirit were granted. Of these, 120 were for private installations and 58 for filling stations. The amount received in fees was £654. 17. 6d.

